

**ABSTRACT OF THE DISCLOSURE**  
**USING BEHAVIORAL ANNOTATIONS IN SOURCE CODE**  
**TO BUILD MIDDLEWARE APPLICATIONS**

A method for embedding behavior tags in a source code so that a computer can choose the appropriate implementation technology to execute the source code comprising a Configuration Program (CP) and a Deployment Program (DP). The CP allows a user to define and modify a plurality of behavior tags in the behavior tag definitions. The CP also allows the user to define and modify the preferences as to the implementation technologies in an implementation technology preference list. The user then creates the source code with embedded behavior tags. The DP reads the source code and automatically selects the appropriate implementation technology based on the behavior tags. The DP gives preference to implementation technologies according to the implementation technology preference list. The result is that the user does not have to specify the implementation technology for the source code or configure the behavior tags to a specific implementation technology.